



# MINOS+ Status Report



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All Experimenters' Meeting  
November 23, 2015



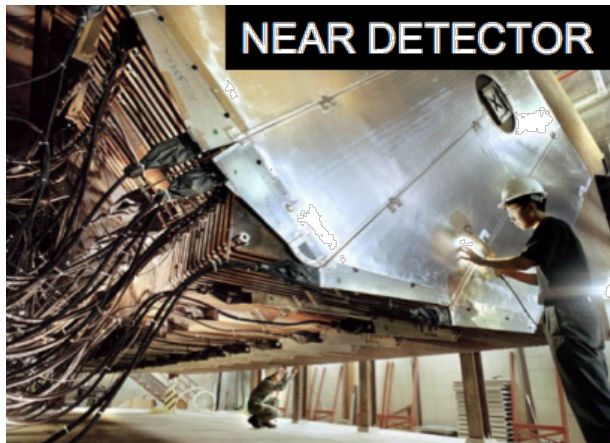
# Near Detector

## DAQ

- Run well the whole week but crashes this morning ~8:22
  - promptly restarted by the Soudan shifter

## Electronics/Detector issues

- A few cold/hot channels
  - Will try power cycling the Minder crates during beam off time
  - If unsuccessful, we'll replace the Minder boards at the next opportunity
- Intermittent HV alarms in LeCroy Mainframe 9 for a few days:
  - Opened MF & cleaned controller from dust
  - No more issues since
  - Unfortunately our DataQuality program flags a whole subrun as BAD for readout issues, So we are reporting (not real) lower than usual LiveTimes





# Far Detector

## DAQ

- No issues: run well the whole week

## Electronics/Detector news

- Chiller 1 alarms on Saturday due to very low temperatures ( $< 5$  F deg)
  - Fixed opening one valve slightly more
  - Did NOT affect data taking





# VNC servers Security issues at ND



- ND gateways VNC servers & access were blocked by CST (Computer Security Team) early Saturday morning
- E-mails were sent to FEF/SLAM team but no-one in the experiment (ie. RunCoordinators) were directly notified
- **The action caused monitoring and RunControl instances to stop working** (as reported by MINERvA shifter)
- Bill eventually added “-localhost “ to the command to startup the VNC sessions
- That “might” have satisfied the security requisites (waiting to hear from CST) but we can now use VNC connections again

Please note that:

- We have been running the same way for the past > 10 years
- Evidently security requisites or checks changed but we were NOT informed
- We are requesting to be notified BEFORE any blocking action is taken on experiment data taking systems
- Teams are investigating why this happened just now
- We kept running and NO DATA were lost **\*\*BUT\*\*** we had no monitoring and in case of problems we would have had to make an access



# MINOS+ Status



Start Date/Time	End Date/Time	Near Detector		Far Detector	
		POT Fraction	Live Time Fraction	POT Fraction	Live Time Fraction
10/26/2015 00:00:00	11/2/2015 00:00:00	97.9%	97.6%	97.6%	98.1%
11/2/2015 00:00:00	11/9/2015 00:00:00	99.5%	99.5%	91.5%	93.4%
11/9/2015 00:00:00	11/16/2015 00:00:00	99.2%	98.9%	99.7%	98.9%
11/16/2015 00:00:00	11/23/2015 00:00:00	88.7% (*)	85% (*)	99.8%	99.9%

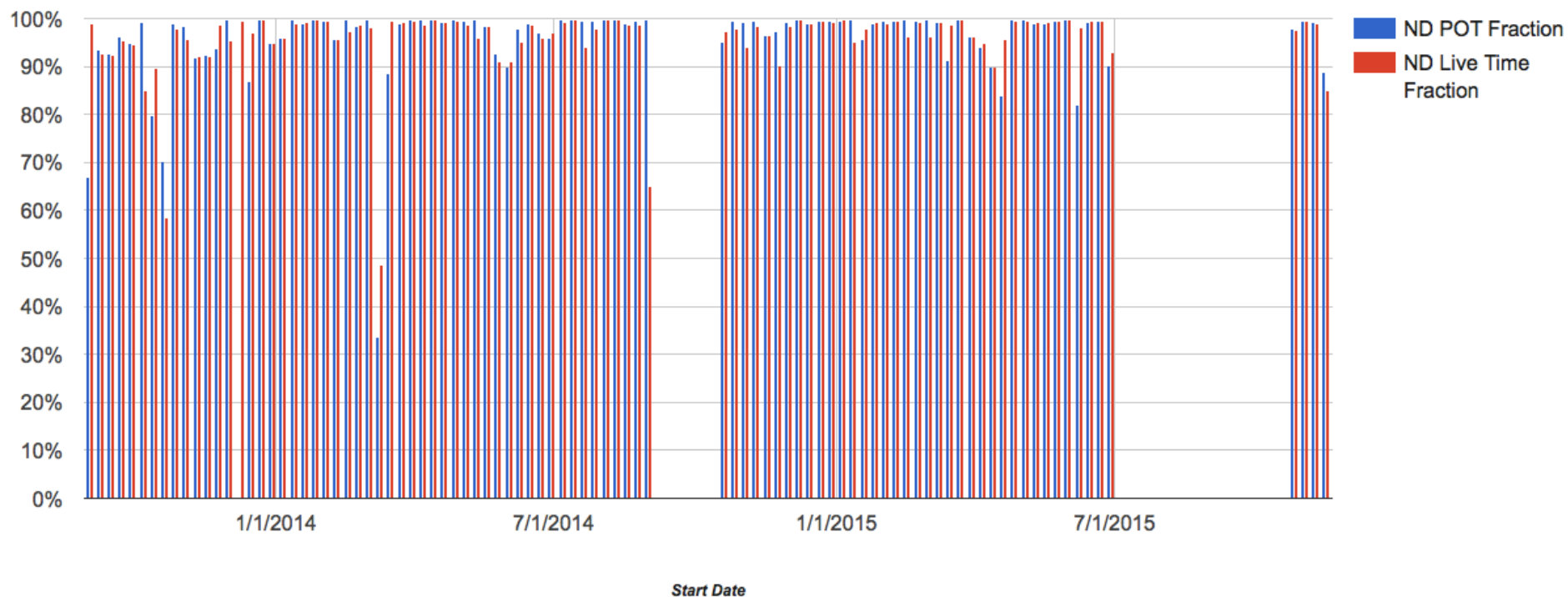
(\*) Intermittent HV bad readings: DQ flags whole subruns as bad, hence lower LiveTimes.



# MINOS+ ND Status



ND POT fraction and Live Time Fraction

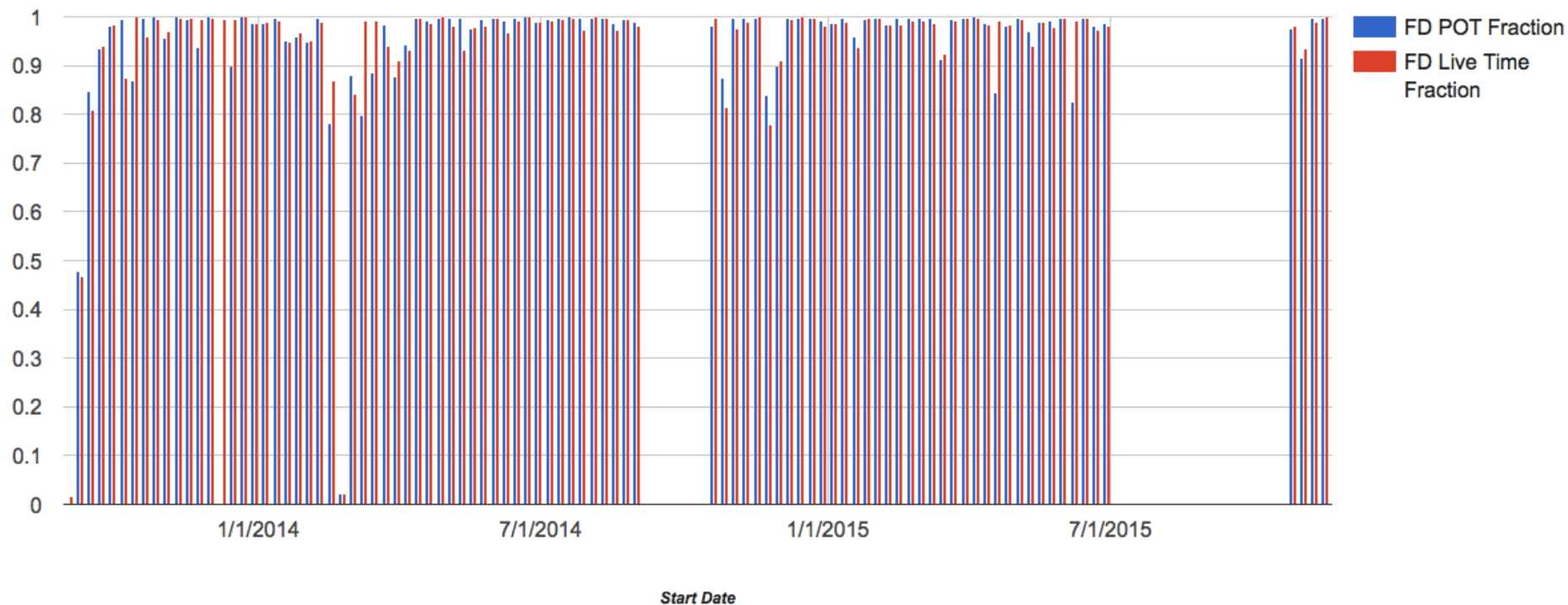




# MINOS+ FD Status



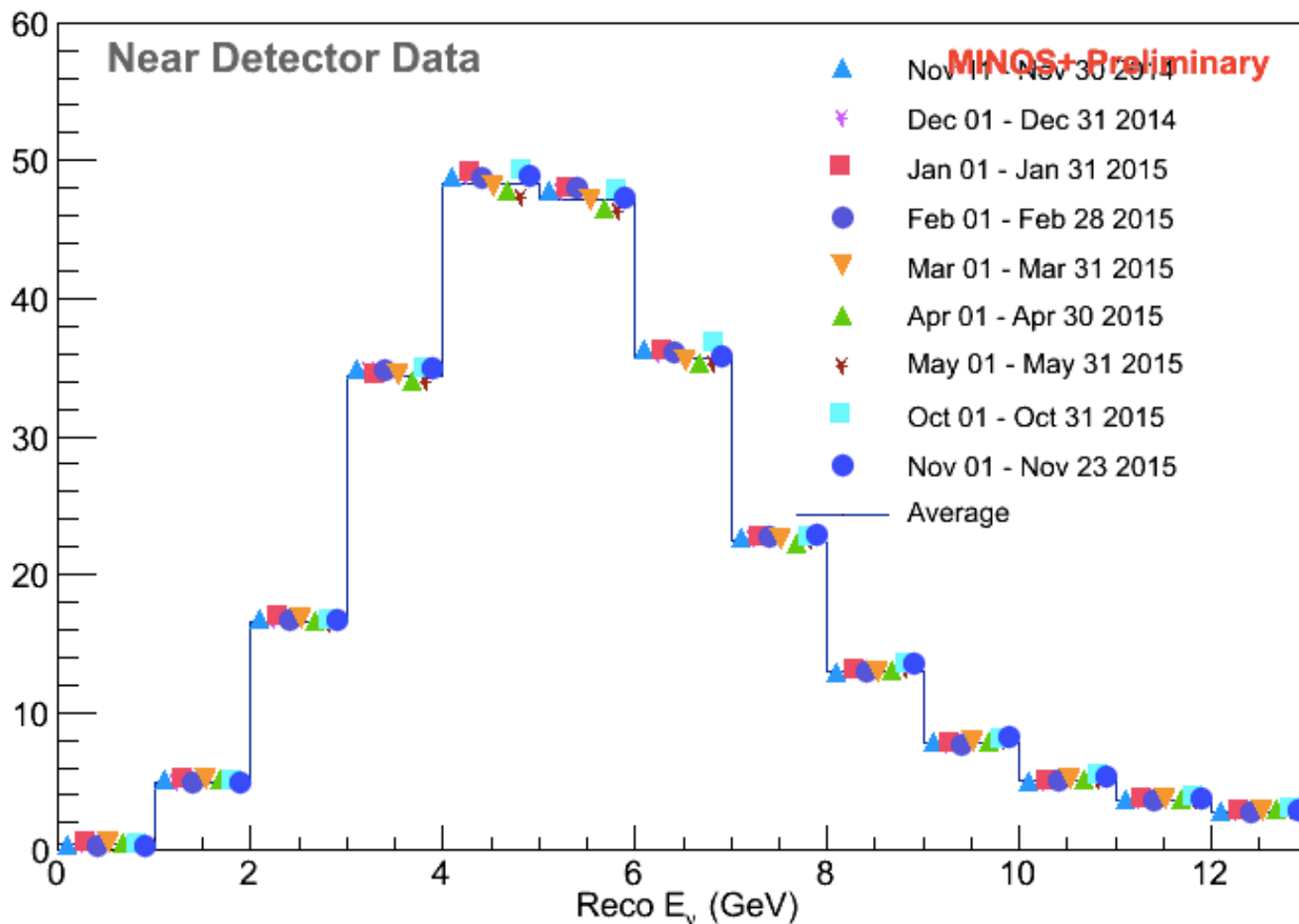
FD POT Fraction and Live Time Fraction





# Energy Spectrum

Neutrino Energy Spectrum Stability (PQ and NQ)







# Events/POT + Intensity

